Electrical

	Description of Work	unit	Qty	Rate	Amount
1	4	5	6	7	8
1	Concealed conduit System: Supplying ..... mm dia 2mm2. 5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/ PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement roda by using biniding wires and unused ways of junction boxes and pipe ends should be coverd using PVC end enclosures. run with 18SWG GL fish wire whereever necessary.				
	25mm dia 2mm thick	Per Mtr	125	41.00	5125.00
2	Groove cutting: Supplying.....dia 2mm/2.5mm thick heavy gauge PVC Conduit Pipe with bends, meatal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run through our the conduit wherever necessary.				
	25mm dia 2mm thick	Per Mtr	135	53.00	7155.00
3	Supplying and mounting teak wooden box without front plank made out of not less than 12 mm thick wood after due groove cutting necessery masonary patch work complete.(p 3-I-6 a,b,c,d,e,f,g,h)				
	12x9x3 (300x228x76mmx0	Per Mtr	10	80.00	800.00
	10x7x3 (254x178x76mm)	Per Mtr	40	68.00	2720.00
	8x6x3 (203x152x76mm)	Per Mtr	6	52.00	312.00
4	Point wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using **copper** PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the exisiting plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.				
	Point wiring using class A Materials				
	Short poiknt upto 3Mtr from tapping point to our let via switch	Point	8	175.00	1400.00
	Medium kpoint above 3Mtr uupto 6Mtr frolm tapping point to out let via switch	Point	12	260.00	3120.00
	Long point above ^Mtr from tapping point to out let via switch	Point	20	368.00	7360.00
5	Supplying 6A flush/projected type socket and a 6amps flush/projected type SP switch either surface/flush mounting in a existing gang box or in a 4mm thick plastic sheet and fixing oure a flush mounted wooden box and wiring using necessary capacity wires as required.				
	6Amps 3/5 Way	Each	12	106.00	1272.00
6	Supply and fixing of backlite D.P/Socket/switch with/without neon indicator over existing wood board or flush mounting in plastic plates/nitches.				

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	Description of Work	unit	Qty	Rate	Amount
	4	5	6	7	8
	Using Group 'A' Material.				
	32Amps Flush/projecte type DP switch	Each	5	145.00	725.00
	16Amps Flush type Univerals socket	Each	5	95.00	475.00
7	Wiring for lighting/power circuit using one of PVC insulated 11oov grad, multis and **copper** conductor single core cable in open or consealed system of wiring.				
	I Group A Materials.				
	1.5 sqmm	Per Mtr.	150	15.00	2250.00
	2.5 sqmm	Per Mtr.	200	25.00	5000.00
	4 sqmm	Per Mtr.	150	32.00	4800.00
	6 sqmm	Per Mtr.	125	52.00	6500.00
8	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulators etc., and fixing on existing wooden or meatl box using N.F. screws.				
		SqCm	8960	0.22	1971.20
9	Extra for supplying 4mm thick white plastic plate and covering for junction boxes or size… mm conduit using necessary machine screws.				
	80mm	No	10.00	7.25	72.50
	110mm	No	6.00	8.75	52.50
10	Supplying and fixing metal fan box with round hook	Each	6.00	72.00	432.00
11	Supplying and fixing PBBC bakelitelite straight or slant batten holder and wiring, within 60w/230 Volts lamps				
	Group 'A'	Each	25.00	60.00	1500.00
12	Supplying and fixing cast Aluminium round or oblong type bulk head fitting with Gl wire guard, glass cover with 15Watts 230V CFL lamp as required				
	Group ' A '	Each	2.00	1098.00	2196.00
13	Supply box type fluorescent tube light fitting of 4'- 36/40 watts fluorescent tube fitting, made out of M.S sheet and stove enameled with low loss open construcion copper woundferromagnetic ballast, starter, locking type brass contact holders mounted on double fold type sheet base fully wited for use on 230 Volts A C Supply including fluorescent tube.				
	I 1x4'-36/40Watts				
	Group 'A'	Each	10	675.00	6750.00
14	Supplying of 1440rpm heavy duty eahust fan with bracket blades suitable for operate on 230V 50Hz, AC Supply complete.				
	I 12" Sweep (300mm)				
	Group 'A'	Each	4	2500.00	10000.00

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	Description of Work	unit	Qty	Rate	Amount
	4	5	6	7	8
15	Supplying capactor type ceiling fan cpmplet with down rod blades, shackele, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system.				
	48" Sweep (1200mm)				
	Regular model (Khaitan, Crompton Greaves, Orient, Polar, Bajaj,				
	Usha, Havells, Almonard)	Each	8	1800.00	14400.00
16	Fixing all types and all capacities fluorescent/false ceiling/spot light/ CGL fittings indoor on the wall/ ceiling/ rafters/ girders using 23/ 0.0076" twin twisted PVC insulated wires, required nos of round blocks and clamps (if required)				
	On wall/ceiling/Rafter/Girders	Each	4	105.00	420.00
17	Fixing a ceiling/Wall mounting fan of all capacities and all types to the existing S hook together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely.				
		Each	8	105.00	840.00
18	Fixing one exhaust fan in the nitch already left in the wall with bolts and nuts and 5 amps ceiling rose with suficient length of 23/ 0.0076 inch PVC insulated twin core wire of approved make.				
		Each	4	310.00	1240.00
19	Supply and fixing ploished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tappered invrted wooden plugs screws etc.				
	20"x20"x2.5"	Each	1	285.00	285.00
20	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc., Complete.				
	32A mps	Each	1	100.00	100.00
21	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring cdomplete as required.				
	A) 5-32Amps				
	Group ' A'	Each	4	195.00	780.00
	D) 40-63Amps DP				
	Group ' A'	Each	1	815.00	815.00

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	Description of Work	unit	Qty	Rate	Amount
	4	5	6	7	8
22	Supplying and fixing regular MCB disrtibution boards on wall/woodboard / flush mounting using required calmps, boltd, nuts etc., with provision for fixing suitable type capacdity MCB's single phase / 3 phase / single door with powder coated painting etc., complete				
	II - Double Door				
	B) 8 Way SP & N				
	Group ' A'	Each	1	1290.00	1290.00
23	Supplying, fixing and wiring earth leakage Miniature Circuit Breaker (ELMCB) 240/450 v up to 300mA sensitivity on existing wood / Panel Board.				
	32-40 Amps 2 pole	Each	1	2165.00	2165.00
24	Supplying and fixing one of 230 volts Ding dong bell and a flush type bell push with gang box fixed on necessary wooden or rawl plugs using NF screws. **(ELE SR 2010-11 Page:13 Item:4)**				
	Group 'A'	Each	1	183.00	183.00
25	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 **(PWD SR 2013-14 P-79, I-12.5)**				
		Each	1.00	5148.42	**5148.42**
26	KELE SRB 11-11.3 : Providing and fixing white vitreous china clay, flat back wash basin size 550x400mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 **(ELE SR 2010-11 P:69 I:12.25)**				
		Each	1.00	2360.62	**2360.62**
27	KELE SRB 11-17-2 : Providing and fixing C.P. brass towel rail 600 mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P. brass screws including cost of materials, labour complete as per specifications. **(ELE SR 2010-11 P:71 I:12.46)**				
		Each	1.00	701.72	**701.72**

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No	Description of item	Unit	Qty	Rate	TOTAL
31	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). Of size 10cms x 7.5cms **PWD SR 2013-14 P:71 I:12.113.1**				
		Each	1.00	265	**265.00**
32	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) 20mm nominal OD pipes (**PWD SR 2013-14 Page:105 item:13.86.2**)				
		Mtr	15.00	212.00	**3180.00**
33	For BESCOM Deposit Charges (As Per Actual) For Meter Etc.,				
		Ls			**20000.00**
				TOTAL	126162.26

CERTIFICATE:

1 The work spot has been inspected and found the work is necessary.
2 The work comes under BBMP limits.
3 The provision has been made in the estimate are adequate and essential.
4 The rates adopted are based on KPWD SR-2013-14 Bangalore Circle.

Asst Engineer
Ward no.17

Assistant Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bengaluru Mahanagara Palike

Executive Engineer
R.R.Nagara Division
Bruhat Bengaluru Mahanagara Palike

ADMINISTRATIVE APPROVED

Rs (₹19.99) Nineteen lakhs ninety nine thousand Rupees only accorded under the head P-2438

By AC (R.R.N) S.L. No. 2758

Vide Register ... subject to conditions ... memo No.: ES.no/2758/13-14 dated 18/01/2014.

TA. AC (R.R.N)

No.: 243 dated: 18/1/14

do 19,99,000-00 Nineteen lakhs Ninety Nine thousand only

Cancelled.

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